

10/772017 RCE updated Search

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3644	recover\$3 same continuous\$4 same protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:29
L2	145585	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:38
L3	145585	L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:31
L4	2972	(primary or second\$4 or master or backup or back-up or (back adj up) or mirror or redundan\$3 or double) with snapshot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:35
L5	2972	L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:31
L6	30	1 same 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:31
L7	4	6 same 4 same snapshot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:32
L8	0	(earlier adj point adj in adj time) same 6 same 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:36

EAST Search History

L9	0	(earlier adj point adj in adj time) and 6 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:36
L10	576	(714/13).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/10 22:37
L11	707	(714/11).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/10 22:37
L12	654	(714/2).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/10 22:37
L13	1044	(714/5).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/10 22:37
L14	479	(714/8).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/10 22:37
L15	1169	(707/202).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/10 22:38
L16	4	previous adj point adj in adj time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:39
S1	10970	recover\$4 near4 continuous\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:07
S2	919	(714/2).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:23
S3	501	(714/13).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:36

EAST Search History

S5	2394	(primary or second\$4 or master or backup or back-up or (back adj up) or mirror or redundan\$3 or double) with snapshot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:36
S6	138486	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 06:54
S7	1	S1 same S5 same S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 06:54
S8	4	S1 and S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 07:24
S9	54	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 07:24
S10	20	S9 and recover\$4 and continuous\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 07:25
S11	1	"5673382".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:32
S12	1	"6148412".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:35
S13	1	"6166784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:36
S14	1	"6266784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:37
S15	1	"6166784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S16	1	"6393516".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47

EAST Search History

S17	1	"6266784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S18	1	"6266784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S19	1	"6393516".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S20	1	"20040088382".PN.	US-PGPUB	OR	ON	2006/07/05 11:47
S21	1	"20040123029".PN.	US-PGPUB	OR	ON	2006/07/05 11:56
S22	1	"20050010529".PN.	US-PGPUB	OR	ON	2006/07/05 12:01
S23	181	(stager-roger\$ or trimmer-donald\$ or saxena-pawan\$ or johnson-randall\$ or johnston-craig\$ or chang-yafen\$ or blaser-rico\$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:12
S24	919	(714/2).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:42
S25	2394	(primary or second\$4 or master or backup or back-up or (back adj up) or mirror or redundan\$3 or double) with snapshot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:09
S26	138486	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:42
S27	54	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:42
S28	2	S27 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:43

EAST Search History

S29	20	S27 and recover\$4 and continuous\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:44
S30	31	S27 not (S23 or S29)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:44
S31	36	S27 and map\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:09
S32	21	S31 and recover\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:09
S33	0	S32 not (S29 or S30)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 14:35
S34	590	(duplicat\$3 or double) adj write	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:06
S35	6	(mapp\$3 or mirror or redundan\$3 or double) same (primary or second\$4 or first or backup or back-up) same volumn	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:54
S36	368	S34 same (mapp\$3 or mirror or redundan\$3 or double)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:38

EAST Search History

S37	2	S36 same rewind\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:39
S38	2402	(primary or second\$4 or master or backup or back-up or (back adj up) or mirror or redundan\$3 or double) with snapshot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:39
S39	138555	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:39
S40	6	S36 and S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:41
S41	687	(714/42).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:42
S42	941	(714/5).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:42
S43	429	(714/8).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:43
S44	110	delta adj map\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:44

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S45	6	S44 and S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 09:08
S46	2	("20050010529").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/07 09:08
S47	171	("20020016827" "20020026595" "20020144057" "20020166079" "20030004980" "20030037211" "20030120676" "20030188208" "20040015731" "20040181707" "20050010529" "20050063374" "20050065962" "20050066118" "20050066222" "20050066225" "20050076261" "20050076262" "20050076264" "20060047895" "20060047902" "20060047903" "20060047925" "20060047989" "20060047998" "20060047999" "4635145" "4775969" "5438674" "5455926" "5666538" "5673382" "5774292" "5774715" "5805864" "5809511" "5809543" "5854720" "5872669" "5911779" "5949970" "5961613" "5963971" "6021408" "6023709" "6029179" "6041329" "6044442" "6049848" "6061309" "6070224" "6098148" "6128698" "6131142" "6163856" "6173359" "6195730" "6225709" "6247096" "6260110" "6266784" "6269423" "6269431" "6282609" "6289425" "6304880" "6317814" "6324497" "6327418" "6336163" "6336173" "6339778" "6341329" "6343342" "6353837" "6360232" "6389503" "6408359" "6487561" "6499026" "6557089" "6725331" "6779057" "6779058" "6779081" "6816941" "6816942" "6931557" "6950263" "7032126").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:52
S48	9435	(mapp\$3 or mirror or redundan\$3 or double) same (data adj structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:54

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S49	142542	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:56
S50	4	(rewound or rewind\$3) near3 (S49 or (any adj point adj in adj time) or "any point in time")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:59
S51	3	S48 same S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:00
S52	4221	(duplicat\$3 or double) near2 writ\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:13
S53	10222	continuous\$4 near3 protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:07
S54	111	S48 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:07
S55	7	S54 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:08
S56	2	S54 and S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:09

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S57	0	S54 and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:09
S58	6691	(duplicat\$3 or replicat\$3 or mirror\$3 or double) near2 writ\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:13
S59	743	(714/42).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:24
S60	982	(714/15).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:27
S61	2749	(707/200).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:38
S62	1112	(707/202).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:25
S63	1791	(707/204).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:25
S64	2	S54 and (S59 or S60)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:33

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S65	691	(714/7).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:27
S66	551	(714/13).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:27
S67	982	(714/15).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:27
S68	1	S54 and (S65 or S66 or S67)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:35
S69	3	S54 and (S61 or S62 or S63)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:57
S70	2	("6785848").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/03 13:13

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1 [The relational model for database management: version 2](#)

E. F. Codd

January 1990 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available: pdf(28.61 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

From the Preface (See Front Matter for full Preface)

An important adjunct to precision is a sound theoretical foundation. The relational model is solidly based on two parts of mathematics: firstorder predicate logic and the theory of relations. This book, however, does not dwell on the theoretical foundations, but rather on all the features of the relational model that I now perceive as important for database users, and therefore for DBMS vendors. My perceptions result from 20 y ...

2 [TRAP-Array: A Disk Array Architecture Providing Timely Recovery to Any Point-in-time](#)

Qing Yang, Weijun Xiao, Jin Ren

May 2006 **ACM SIGARCH Computer Architecture News , Proceedings of the 33rd annual international symposium on Computer Architecture ISCA '06**, Volume 34 Issue 2

Publisher: IEEE Computer Society, ACM Press

Full text available: pdf(379.07 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

RAID architectures have been used for more than two decades to recover data upon disk failures. Disk failure is just one of the many causes of damaged data. Data can be damaged by virus attacks, user errors, defective software/firmware, hardware faults, and site failures. The risk of these types of data damage is far greater than disk failure with today's mature disk technology and networked information services. It has therefore become increasingly important for today's disk array to be able to ...

3 [The multics system: an examination of its structure](#)

Elliott I. Organick

January 1972 Book

Publisher: MIT Press

Full text available: pdf(23.94 MB)

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 May 2006 **ACM SIGARCH Computer Architecture News , Proceedings of the 33rd annual international symposium on Computer Architecture ISCA '06**, Volume 34 Issue 2

Publisher: IEEE Computer Society, ACM Press

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Publisher: MIT Press

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